

Use Exclusion

PRACTICE INTRODUCTION

USDA, Natural Resources Conservation Service - practice code 472



DEFINITION

Use Exclusion is excluding animals, people or vehicles from an area.

PRACTICE INFORMATION

The purpose of Use Exclusion is to protect, maintain, or improve the quantity and quality of the natural resources in an area. The purpose also includes aesthetic resources as well as human health and safety.

The practice is used in a conservation plan in areas where vegetation establishment or maintenance is a concern. Protecting the

vegetation is often essential to conserving the other natural resources.

The barriers constructed for Use Exclusion must be adequate to prevent intrusion of the target animals, vehicles or people. The barriers are usually fences, but may also be natural and artificial structures such as logs, boulders, earth fill, gates, signs, etc.

Additional information including design criteria and specifications are in the local NRCS Field Office Technical Guide.

The following pages list the conservation effects expected to occur when this practice is applied. These effects are subjective and somewhat dependent on variables such as climate, terrain, and soil. Users are cautioned that these effects are estimates that may or may not apply to a specific site.

CONSERVATION PRACTICE PHYSICAL EFFECT WORKSHEET

NOTE: recorded in Microsoft word 6.0 - use tabs to change cells/fields

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|---|------|--------------|--|------|---------|
| STATE | Iowa | FIELD OFFICE | | DATE | 5/15/97 |
| PRACTICE: 472 Use Exclusion | | | NOTES: | | |
| RESOURCE: SOIL RESOURCE CONCERN: EROSION | | | Help Message: Click on form field for choice lists. Refer to Microsoft Word Users Guide (Creating a form) | | |
| RESOURCE INDICATORS | | | PHYSICAL EFFECTS | | |
| SHEET AND RILL | | | significant reduction in sheet and rill erosion | | |
| WIND | | | significant reduction in wind erosion | | |
| EPHEMERAL GULLY | | | significant reduction in ephemeral gully erosion | | |
| CLASSIC GULLY | | | significant reduction in classic gully erosion | | |
| STREAMBANK | | | significant reduction in streambank erosion | | |
| IRRIGATION INDUCED | | | situational concerning irrigation induced erosion | | |
| SOIL MASS MOVEMENT | | | situational concerning soil mass movement | | |
| ROADBANK/CONSTRUCTION | | | significant decrease in roadbank/const. erosion | | |
| OTHER | | | | | |
| RESOURCE CONCERN: SOIL CONDITION | | | | | |
| SOIL TILTH | | | significant improvement in soil tilth | | |
| SOIL COMPACTION | | | significant reduction in soil compaction | | |
| SOIL CONTAMINATION | | | | | |
| • SALTS | | | N/A | | |
| • ORGANICS | | | N/A | | |
| • FERTILIZERS | | | N/A | | |
| • PESTICIDES | | | N/A | | |
| • OTHER | | | | | |
| DEPOSITION/DAMAGE | | | | | |
| • ONSITE | | | significant reduction/onsite deposition damage | | |
| • OFFSITE | | | significant decrease/offsite deposition damage | | |
| DEPOSITION/SAFETY | | | | | |
| • ONSITE | | | significantly improve onsite safety/deposition | | |
| • OFFSITE | | | sign. improve offsite safety hazard/deposition | | |
| OTHER | | | | | |
| RESOURCE: WATER | | | | | |
| RESOURCE CONCERN: WATER QUANTITY | | | | | |
| SEEPS | | | situational regarding seep development | | |
| RUNOFF/FLOODING | | | situational concerning runoff and floods | | |
| EXCESS SUBSURFACE WATER | | | situational concerning excess subsurface H2O | | |
| INADEQUATE OUTLETS | | | significant improvement in H2O outlet concern | | |
| WATER MGT. IRRIGATION | | | | | |
| • SURFACE | | | N/A | | |
| • SPRINKLER | | | N/A | | |
| WATER MGT. NON-IRRIGATED | | | significant improvement in moisture use | | |
| RESTRICTED FLOW CAPACITY (H2O convey.) | | | | | |
| • ONSITE | | | significant improvement in onsite drainage | | |
| • OFFSITE | | | significant improvement in offsite drainage | | |
| RESTRICTED STORAGE | | | sign. reduction in sedimentation of H2O storage | | |

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| RESOURCE: WATER | |
| RESOURCE CONCERN: WATER QUALITY | |
| RESOURCE INDICATORS | PHYSICAL EFFECTS |
| GROUNDWATER CONTAMINANTS | |
| • PESTICIDES | N/A |
| • NUTRIENTS AND ORGANICS | N/A |
| • SALINITY | N/A |
| • HEAVY METALS | N/A |
| • PATHOGENS | N/A |
| • OTHER | |
| SURFACE WATER CONTAMINANTS | |
| • PESTICIDES | N/A |
| • NUTRIENTS AND ORGANICS | situational concerning SWater contam./nut.&organic |
| • SUSPENDED SEDIMENTS | sign. reduction in SWater contam./susp. sedi. |
| • LOW DISSOLVED OXYGEN | N/A |
| • SALINITY | N/A |
| • HEAVY METALS | N/A |
| • WATER TEMPERATURE | sign. reduction in SWater contam./H2O temp |
| • PATHOGENS | sign. decrease in SWater contam./pathogens |
| AQUATIC HABITAT SUITABILITY | significant improvement in Aqua. Hab. Suit. |
| OTHER | |
| RESOURCE: AIR | |
| RESOURCE CONCERN: AIR QUALITY | |
| AIRBORNE SEDIMENT AND SMOKE PARTICLES | |
| • ONSITE SAFETY | sign. decrease in airborn sed.&smoke part./safety |
| • OFFSITE SAFETY | sign. decrease in airborn sed.&smoke part./safety |
| • ONSITE STRUCT. PROBLEMS | sign. decrease in struc. problems/dust and smoke |
| • OFFSITE STRUCT. PROBLEMS | sign. decrease in struc. problems/dust and smoke |
| • ONSITE HEALTH | sign. decrease in onsite health prob./dust&smoke |
| • OFFSITE HEALTH | sign. improvement in offsite health |
| AIRBORNE SEDIMENT CAUSING CONVEYANCE PROBLEMS | sign. decrease in airborn sediment/convey. prob. |
| AIRBORNE CHEMICAL DRIFT | N/A |
| AIRBORNE ODORS | N/A |
| FUNGI, MOLDS, AND POLLEN | N/A |
| OTHER | |
| RESOURCE CONCERN: AIR CONDITION | |
| AIR TEMPERATURE | sign. improvement in air condition/ temperature |
| AIR MOVEMENT (windbreak effect) | N/A |
| HUMIDITY | N/A |
| OTHER | |

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| RESOURCE: HUMAN | |
| RESOURCE CONCERN: SOCIAL CONSIDERATIONS | |
| RESOURCE INDICATORS | PHYSICAL EFFECTS |
| PUBLIC HEALTH AND SAFETY | sign. improvement in public health & safety |
| PRIVATE/PUBLIC VALUES | sign. improvement in private/public values |
| CLIENT CHARACTERISTICS | N/A |
| RISK TOLERANCE | N/A |
| TENURE | N/A |
| OTHER | |
| RESOURCE CONCERN: CULTURAL CONSIDERATIONS | |
| ABSENCE/PRESENCE OF CULTURAL RESOURCES | situational regarding cultural resources |
| SIGNIFICANCE OF CULTURAL RESOURCES | situational regarding cultural resources |
| MITIGATION OF NEGATIVE CULTURAL RES. IMPACTS | situational regarding cultural resources |
| OTHER | |
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